

Sales Network

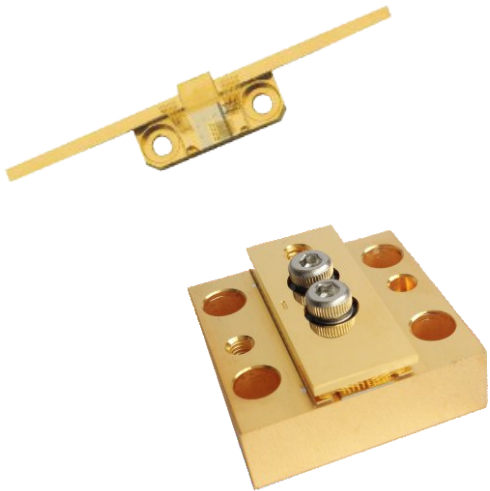
Focuslight Technologies' products are sold in dozens of countries and regions around the world.



Reliable High Power Diode Lasers

GMP

GENERAL
MICROTECHNOLOGY
& PHOTONICS



FocusDevice™

OPEN PACKAGE DIODE LASERS

Distributors

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About Focuslight

Founded in 2007, Focuslight Technologies is a fast growing high-tech company committed to research, development and manufacturing of high power diode lasers. Headquartered in Xi'an Shaanxi, China, Focuslight provides products to a variety of customers consisting of OEM, ODM and system integrators worldwide. With its extensive engineering expertise in thermal, optical and mechanical design to die bonding, FAC assembling and fiber coupling to system integration, Focuslight is dedicated to provide customers with well-matched comprehensive solutions for their specific needs.

INTRODUCTION

FocusDevice™ products are a variety of conduction cooled high power diode lasers, of which single emitter and single bar/ minibar product are of industrial standard package. F-MOUNT® products are of Focuslight's patented design. The diode lasers can meet various requirements in application of pumping, IR illumination, industrial and scientific research etc..

Using AuSn hard solder bonding technology, the reliability and lifetime of **FocusDevice™** products are dramatically improved. **FocusDevice™** products are able to operate in harsh environment with the temperature range from -45℃ to 50℃. Due to AuSn hard solder bonding technology, **FocusDevice™** full bar and minibar products are especially suitable for hard pulse (1 second on / 1 second off) applications.

CATALOG



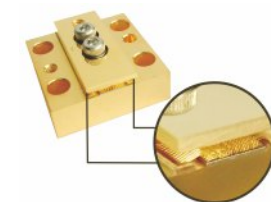
F-MOUNT®

- Patented design
- Heatsink isolated
- AuSn hard solder bonding technology
- Excellent thermal design and management



HCS

- AuSn hard solder bonding technology
- Industrial standard package
- High reliability and stability
- Low smile

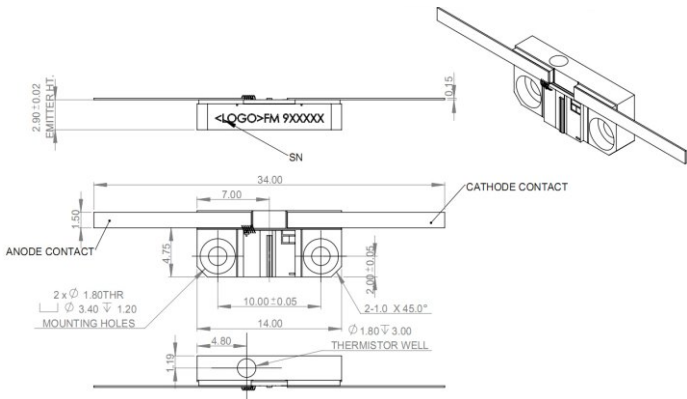


HCS-Minibar

- High brightness
- AuSn hard solder bonding technology
- Industrial standard package
- Super low smile

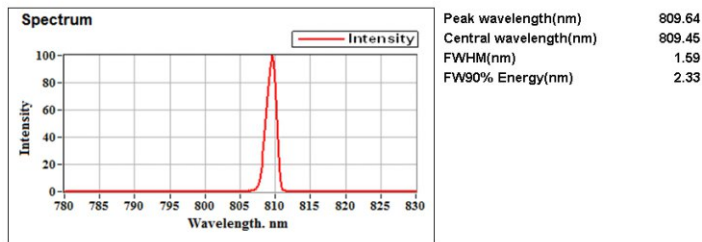
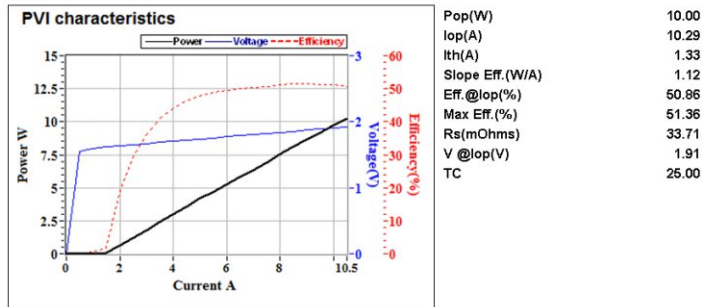


Product Dimension



Product Typical data

Test: ABI
Serial Number: FL027932-2 Operator: SYH
Part Number: EOD001762 Test Time: 08/18/2015 22:26:06



Product Features

- Patented design
- High power
- AuSn hard solder bonding technology
- Heatsink isolated
- Excellent thermal management

Product Application

- Solid state laser pumping
- Display
- IR illumination
- Scientific Research

Product Specification

Operating Mode	CW
Power(W)	Up to 12
Wavelength(nm)	808,9xx
Emitter Size(μm)	90 ~ 200
Collimation	Optional
MTTF(h)	> 20000

Product Features

- AuSn hard solder bonding technology
- Hard pulse & QCW application available
- Industrial standard package
- Low smile
- High reliability and stability

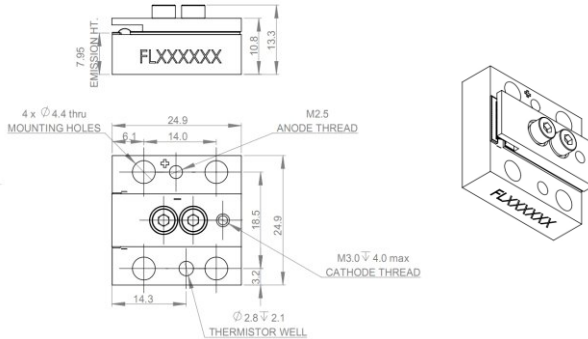
Product Application

- Solid state laser pumping
- Laser printing
- Fiber coupling
- Scientific Research

Product Specification

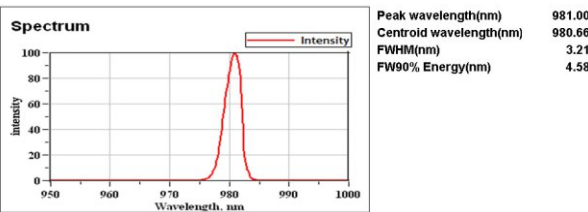
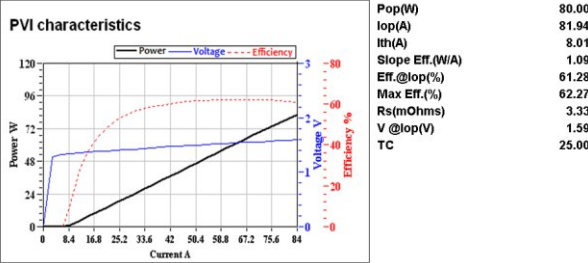
Operating Mode	CW	QCW
Power(W)	Up to 80	Up to 400
Wavelength(nm)	792~1550	
Collimation	FAC or SAC optional	
Number of Emitters	19,24,40,47,60,62	
Emitter width(μm)	100~150	
MTTF(h)	>50000	

Product Dimension



Product Typical data

Test: ABI
Serial Number: FL000163-2 Operator: LYQ
Part Number: EOR0001023 Test Time: 8/23/2014 10:30:44 AM





Application Overview

Technical drawing of the FLXXXXXX sensor showing top, side, and isometric views with dimensions and labels.

Top View Dimensions:

- Overall width: 24.9
- Distance from left edge to first mounting hole: 14.3
- Distance between mounting holes: 12.3
- Distance from last mounting hole to right edge: 6.1
- Overall height: 13
- Distance from top edge to mounting holes: 10.8

Side View Dimensions:

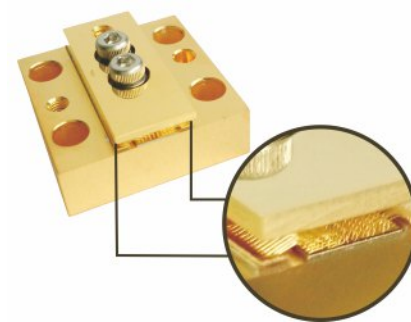
- Overall height: 7.95
- Distance from top edge to mounting holes: 10.8

Isometric View Dimensions:

- Overall width: 24.9
- Distance from left edge to first mounting hole: 14.0
- Distance between mounting holes: 12.3
- Distance from last mounting hole to right edge: 6.1
- Overall height: 13
- Distance from top edge to mounting holes: 10.8

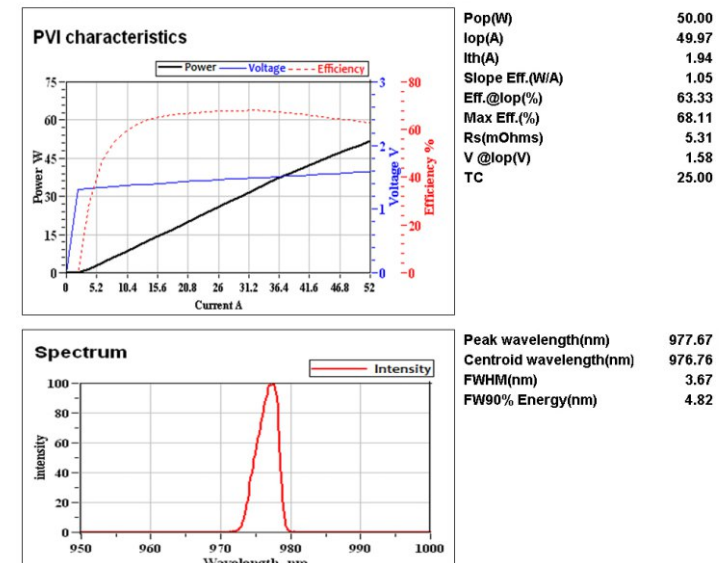
Labels and Features:

- FLXXXXXX
- 4 x $\varnothing 4.4$ THRU MOUNTING HOLES
- M2.5 ANODE THREAD
- M3.0 ∇ 4.0 max CATHODE THREAD
- $\varnothing 2.8 \nabla 2.4$ THERMISTOR WELL



- AuSn hard solder bonding technology ●
- Minibar , High brightness ●
- Industrial standard package ●
- Ideal for fiber coupling ●
- Super low smile ●

Test: ABI
Serial Number: FL000161-2-25 **Operator:** WZS
Part Number: EOR0001165 **Test Time:** 10/17/2014 2:30:57 PM



- Solid state laser pumping ●
- Fiber coupling ●
- Scientific Research ●

Operating Mode	CW
Power(W)	Up to 50
Wavelength(nm)	915, 940, 980
Smile(μm)	< 0.5
Number of Emitters	5, 7
Emitter Size(μm)	90, 100
MTTF(h)	> 50000



Solid state laser pumping
HCS & HCS-Minibar & F-MOUNT®



Fiber coupling
FocusFiber®S



Night vision illuminator
F-MOUNT®



Laser display
F-MOUNT®



Laser printing
HCS